

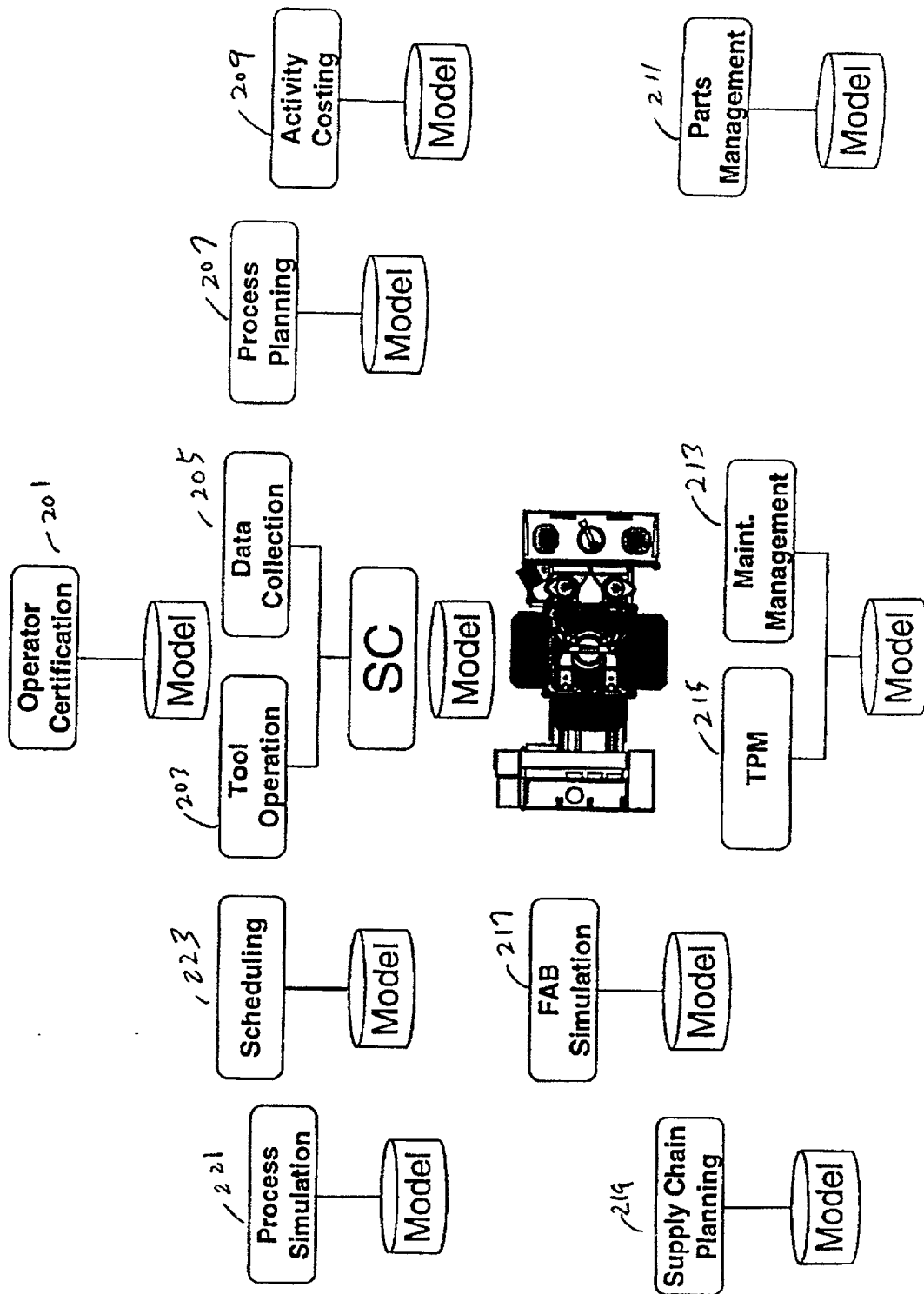
(Prior Art)

FIG. 1

CONTROLLER/SOFTWARE APPLICATIONS

(PRIOR ART)

FIG. 2



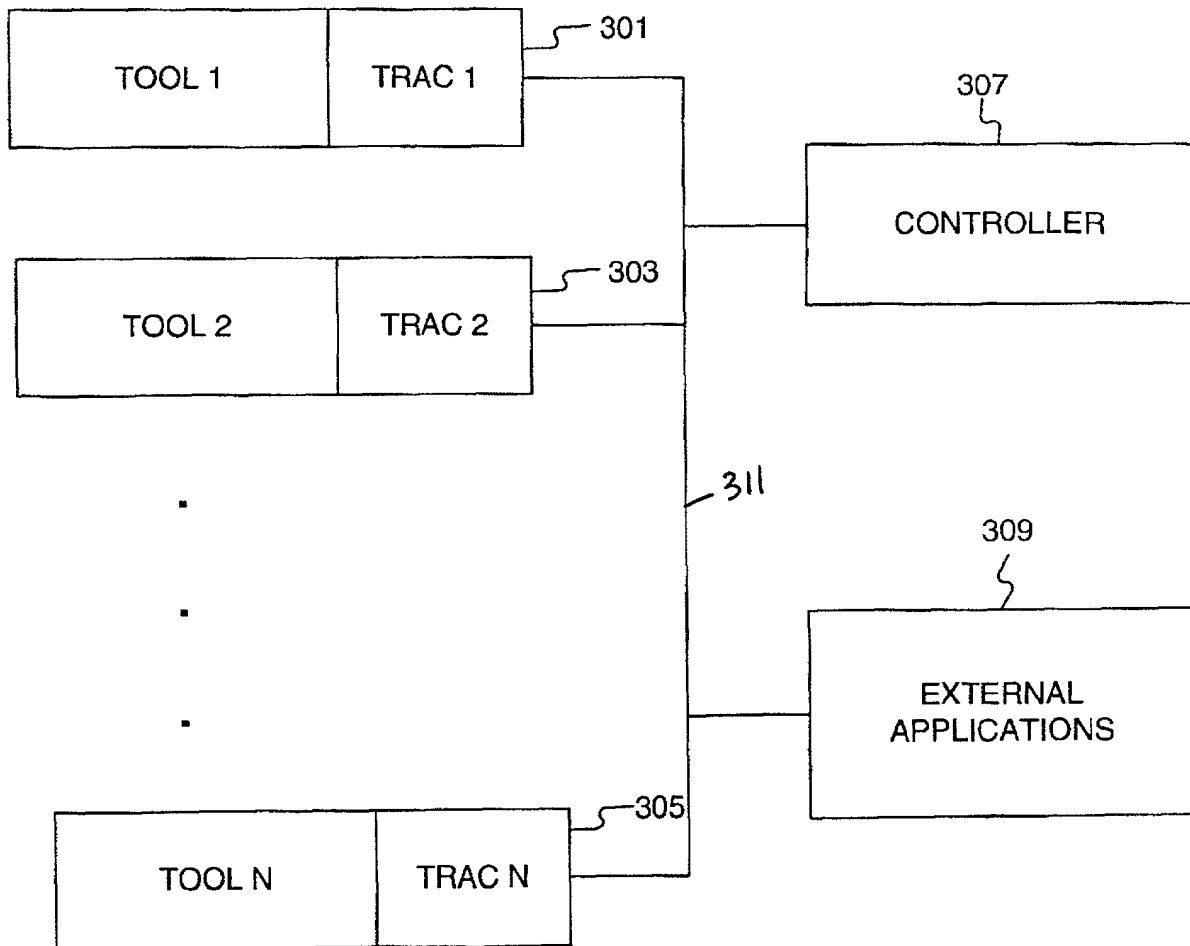


FIG. 3

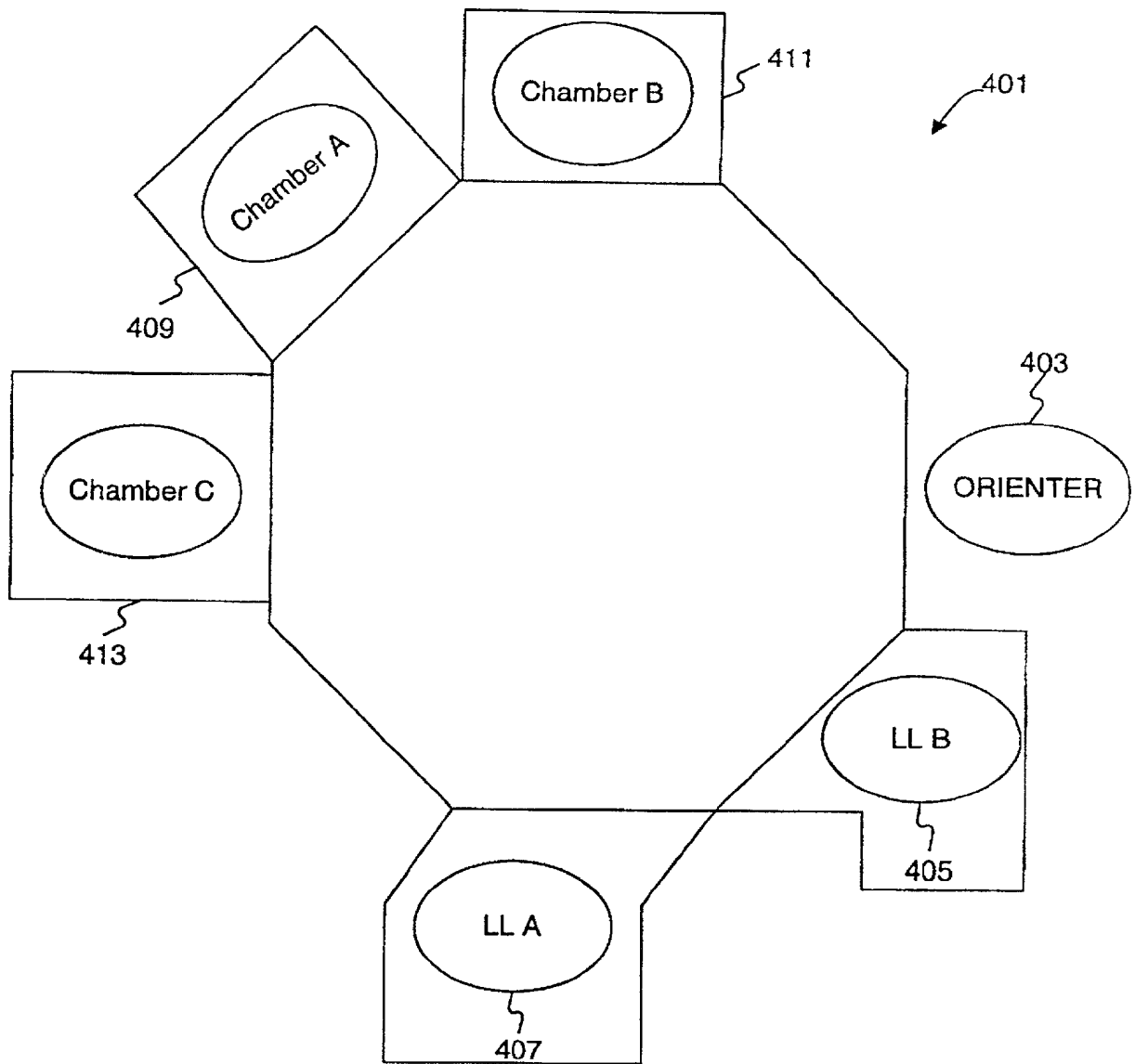


FIG. 4

00007444-001301

501

507 -

509 -

511 -

503 -

505 -

		Tool	Chamber A	Chamber B	Chamber C
	State				
	Basic	✓	✓	✓	✓
	Tool Service				
	Production	✓			
	Material Handling	✓			
	Quals				
	Particles	✓	✓	✓	✓
	Manufacturing Dep		✓	✓	✓
	Engineering Dep		✓	✓	✓
	Process Services				
	T Process X	✓			
	T Process Y	✓			
	T Process Z	✓			
	C Process A		✓	✓	
	C Process B		✓	✓	
	C Process C				✓

FIG. 5

(b)

QoS - Cpk		Tool	Chamber A	Chamber B	Chamber C
Process Services					
	Process X				
	Process Y				
	Process Z				
	Process A		2.1	2.16	
	Process B		3.03	3.21	
	Process C				4.16

101

QoS - Proc. Time		Tool	Chamber A	Chamber B	Chamber C
Process Services					
	Process X				
	Process Y				
	Process Z				
	Process A		42	43	
	Process B		36	41	
	Process C				130

[illegible]

QoS - CPK		Tool			
		Tool 1	Tool 2	Tool 3	Tool 4
Process Services					
	Process X	2.35	2.1	2.16	X
	Process Y	3.41	3.03	3.21	X
	Process Z	X	4.19	4.21	4.16

FIG. 9

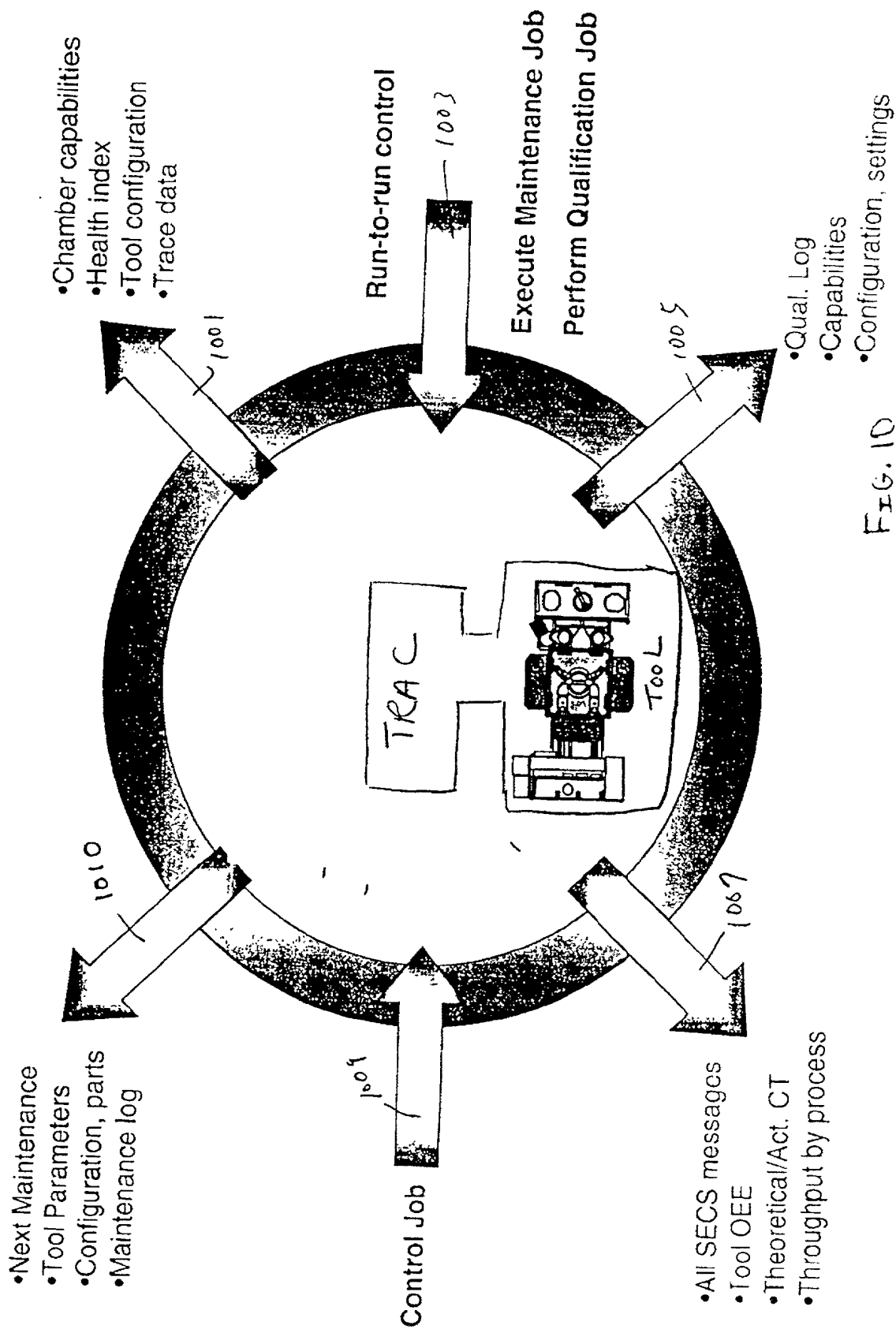
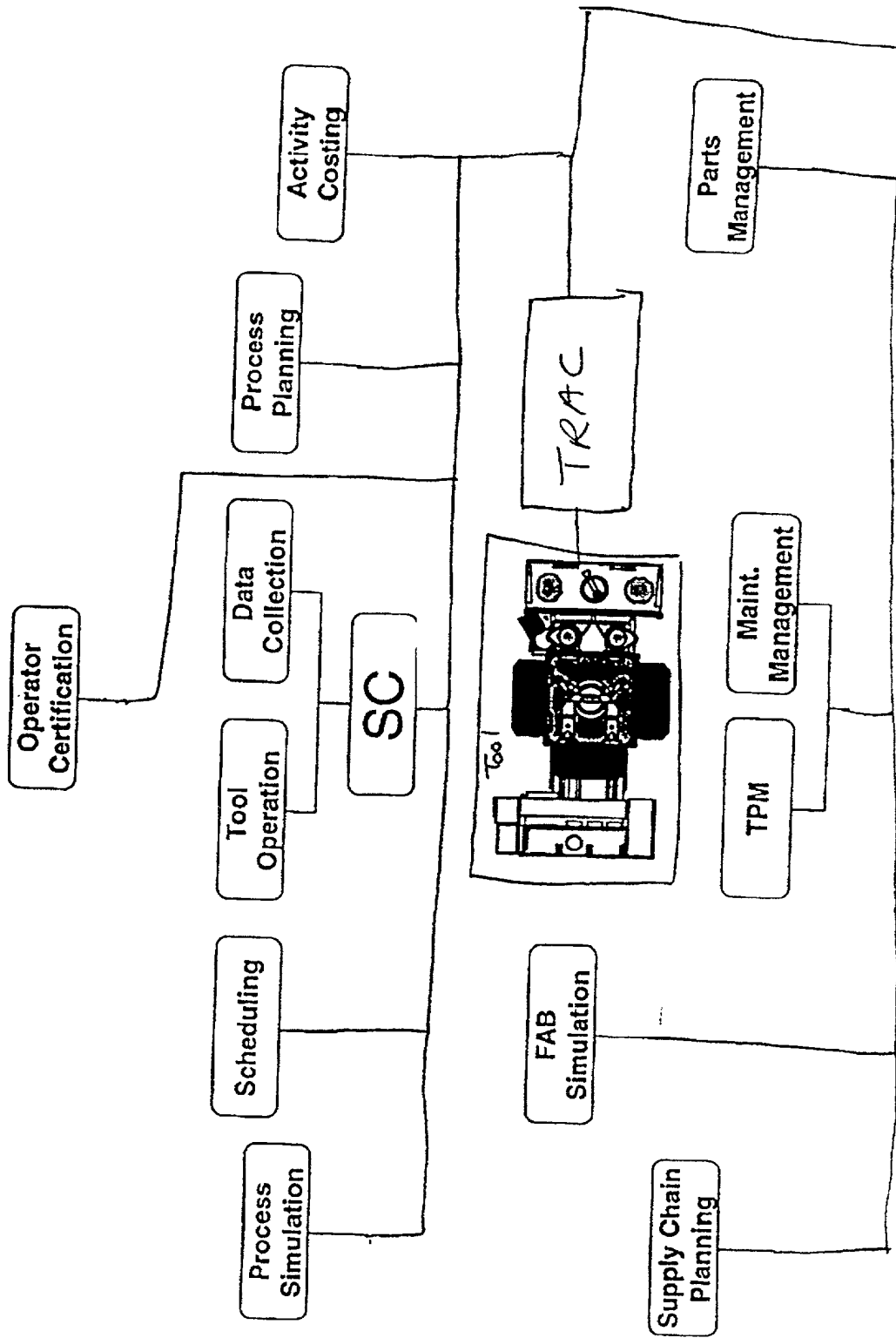


FIG. 10

CONTROLLER/SOFTWARE APPLICATIONS

Fig 11



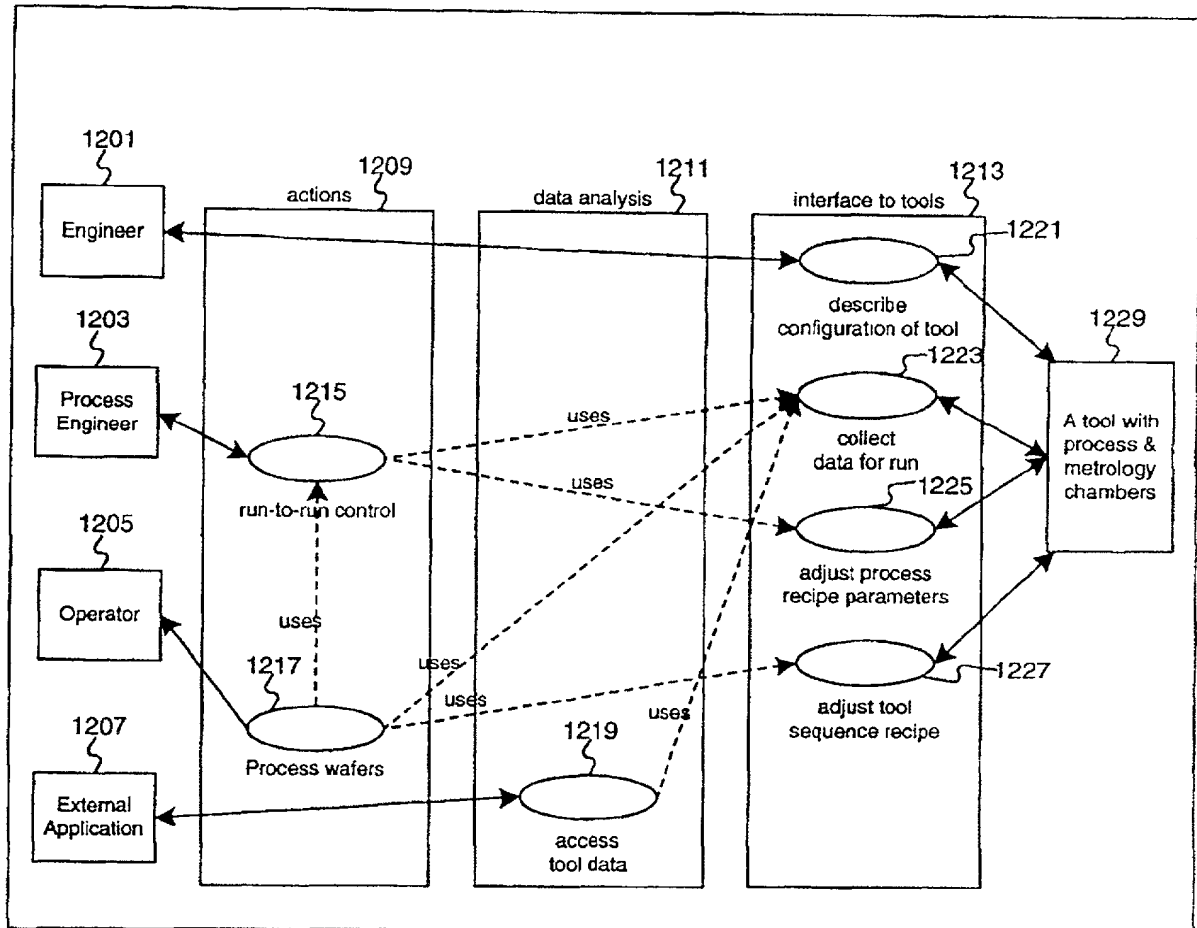


FIG. 12

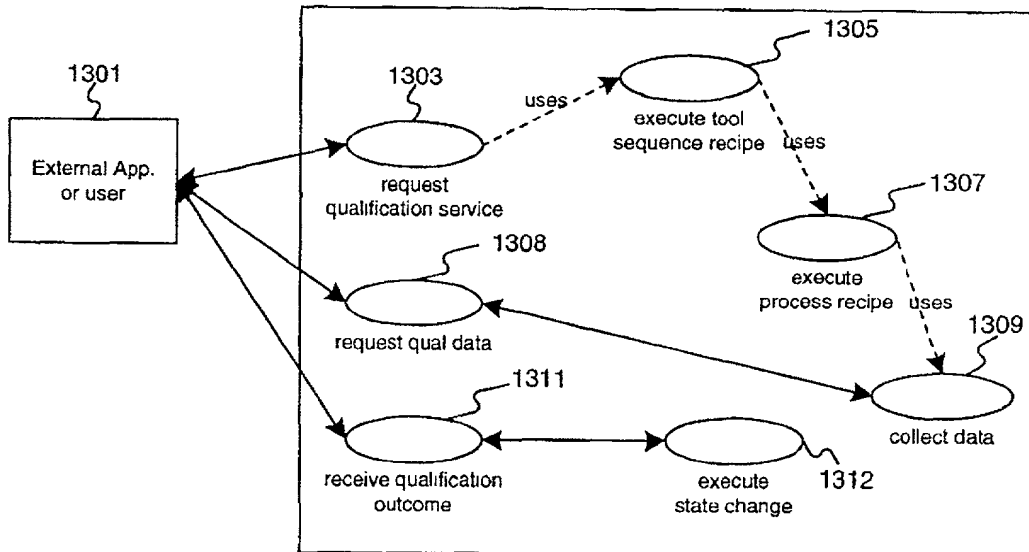


FIG. 13

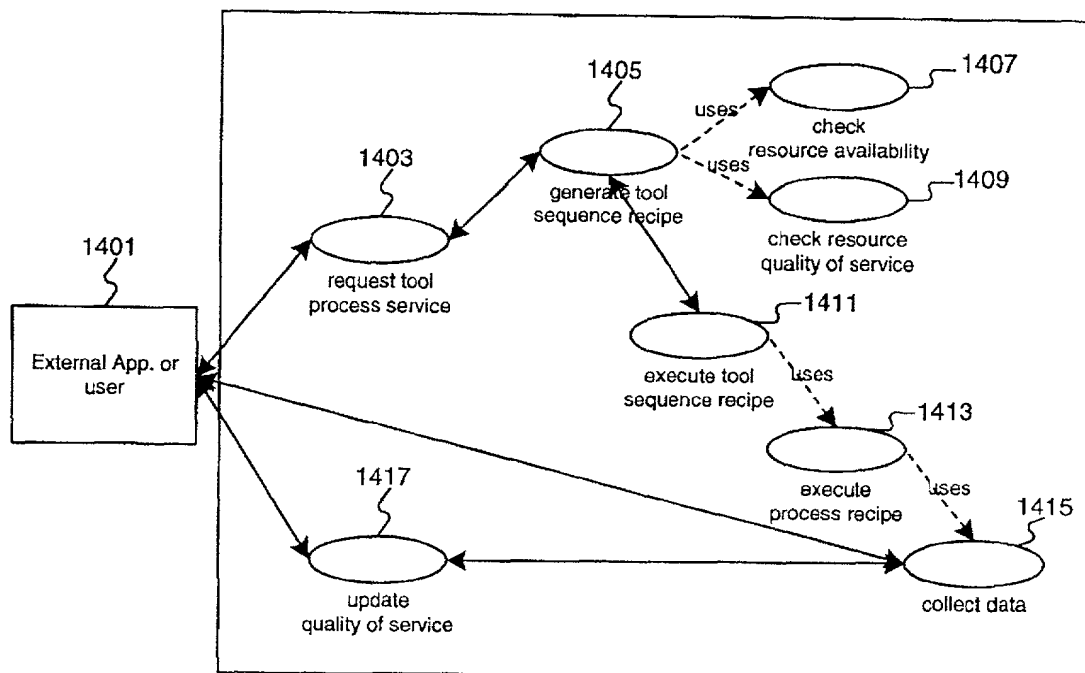


FIG. 14

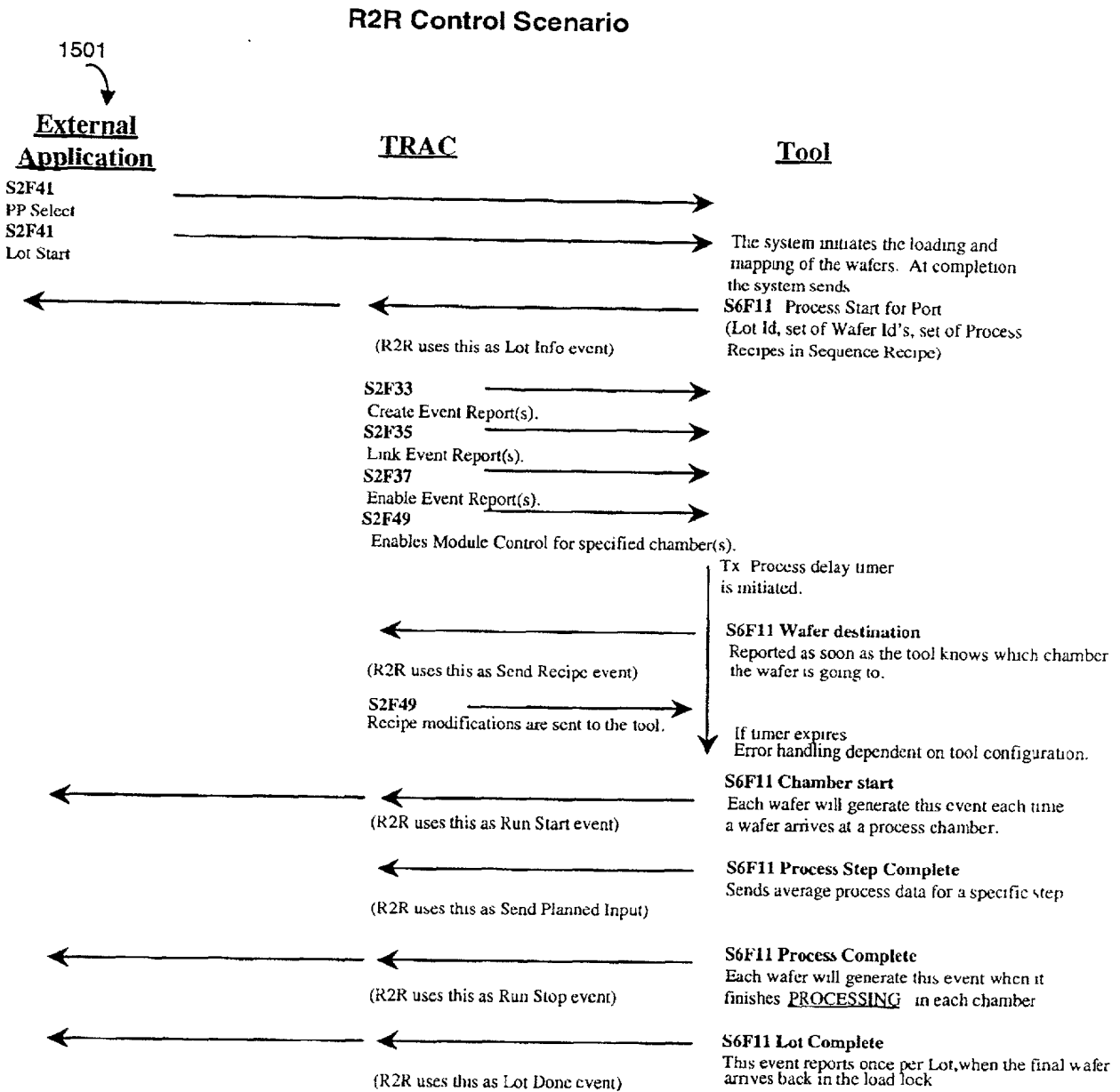


FIG. 15

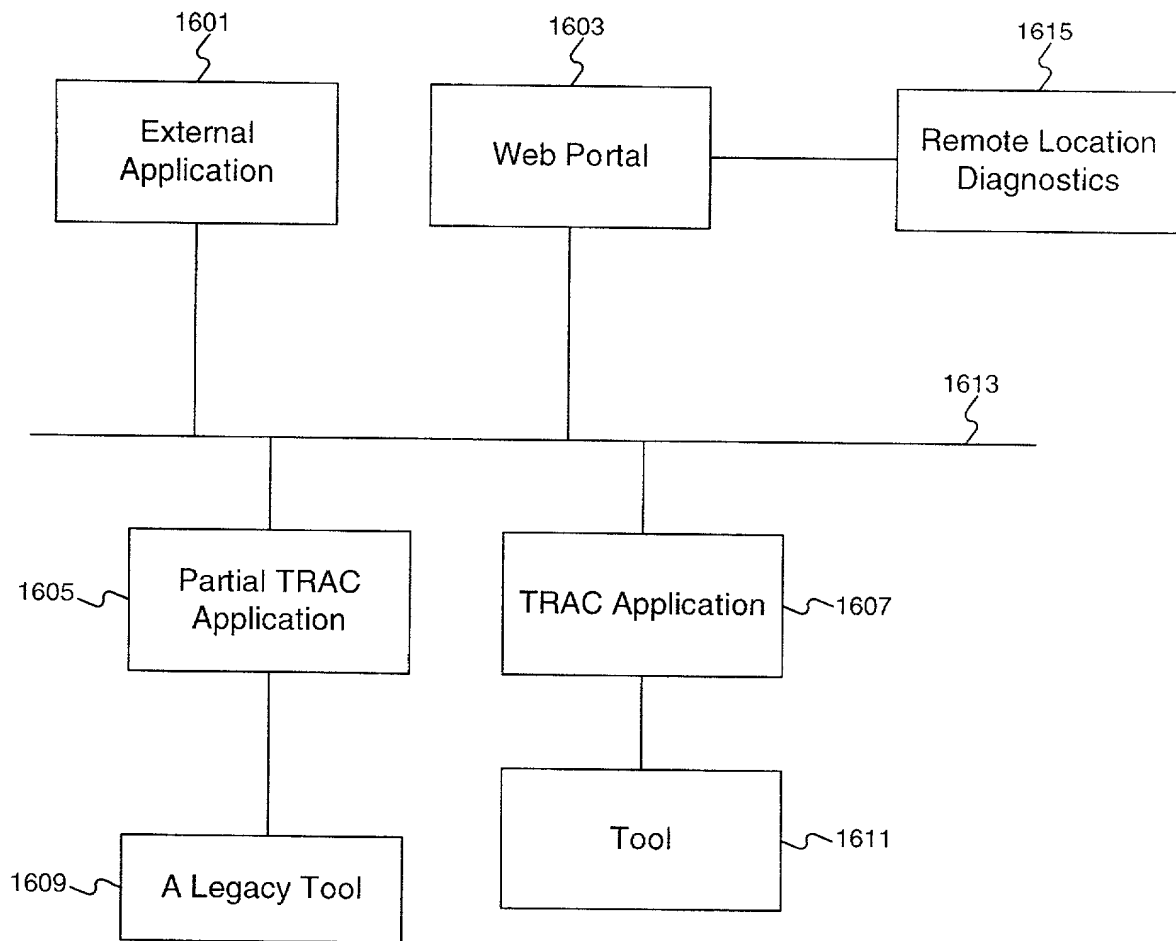


FIG. 16(a)

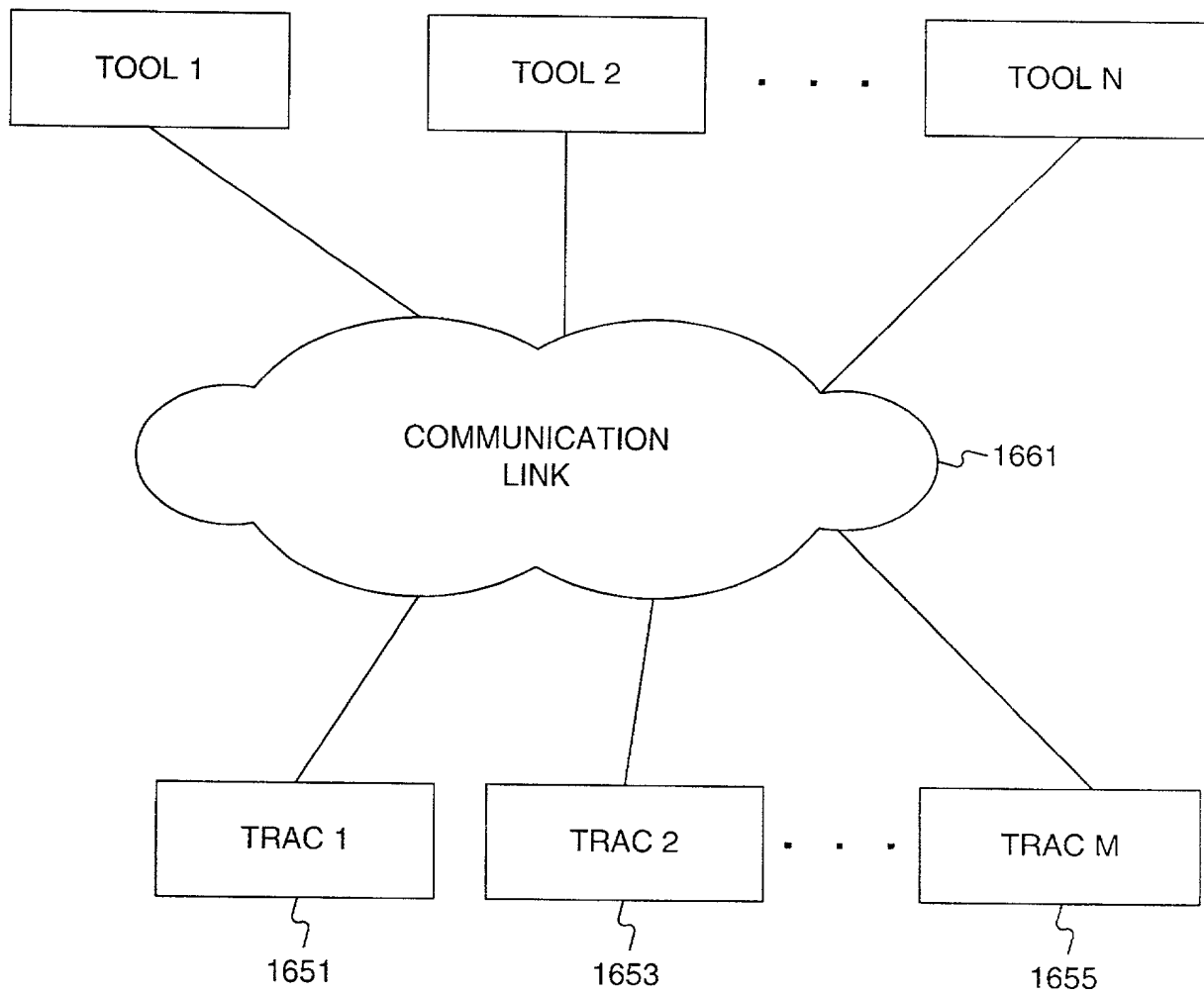


FIG. 16(b)

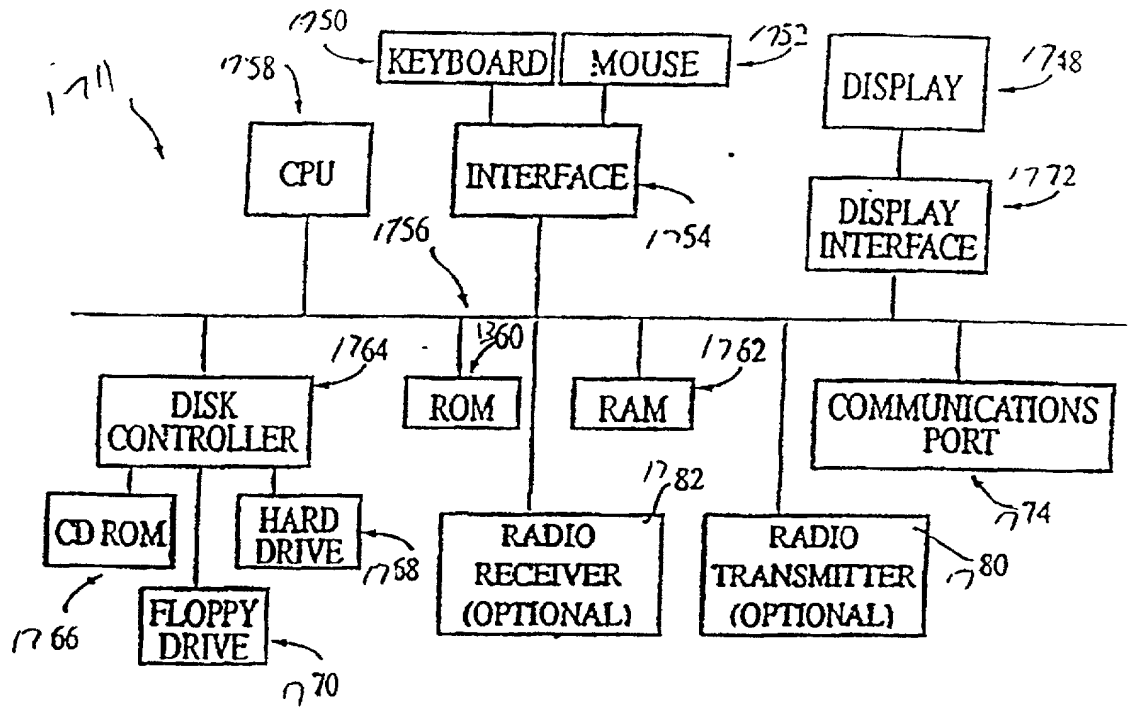


FIG. 17

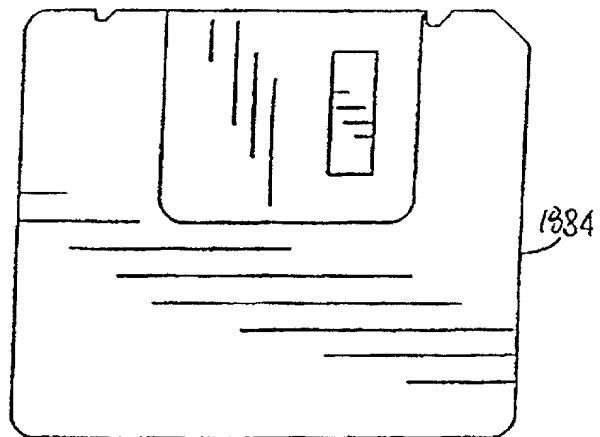


FIG. 18